

EXPRESS MAIL NO.: EL946378527US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Patent Application of Darwin J. Prockop <i>et al.</i>	: Group Art Unit: To Be Assigned : :
Appln. No.:	To Be Assigned	: Examiner: To Be Assigned : :
Filed:	Herewith	: Attorney Docket No. : :
For:	ISOLATED STROMAL CELLS FOR USE IN THE TREATMENT OF DISEASES OF THE CENTRAL NERVOUS SYSTEM	: 053844-5002-01 : :

INFORMATION DISCLOSURE STATEMENT

It is requested that the reference(s) listed on the attached Information Disclosure Citation Form PTO-1449 be considered by the Patent Examiner in connection with the above-identified application and be made of record therein.

Copies of the references were previously cited by and/or submitted to the U.S. Patent and Trademark Office in related Application No. 09/028,395 filed February 24, 1998 (the "prior application"). The present application relies, under 35 U.S.C. § 120, on the filing date of the prior application. Therefore, under 37 C.F.R. § 1.98(d), copies of the references are not enclosed.

Independent consideration and acknowledgment of the listed reference(s) are respectfully requested.

Respectfully submitted,

DARWIN J. PROCKOP, *ET AL.*

June 27, 2003
(Date)

By:

Raquel M. Alvarez
RAQUEL M. ALVAREZ, PH.D., J.D.
Registration No. 45,807
MORGAN, LEWIS & BOCKIUS, L.L.P.
1701 Market Street
Philadelphia, PA 19103-2921
Telephone: 215-963-5000
Direct Dial: 215-963-5403
Facsimile: 215-963-5001
E-Mail: ralvarez@morganlewis.com

RMA/QDN/prw *Jel*

Form PTO-1449
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTORNEY DOCKET NO.:
053844-5002-01APPLICATION NO.:
Not Yet Assigned

INFORMATION DISCLOSURE CITATION

(Form PTO-1449 Modified 5/95)
(Use several sheets if necessary)APPLICANT:
Darwin J. Prockop *et al.*FILING DATE:
HerewithGROUP ART UNIT:
Not Yet Assigned

U.S. PATENT DOCUMENTS

EX. INIT	DOCU-MENT	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
		4,391,909	07/83	Lim, Franklin			
		4,997,443	03/91	Walthall <i>et al.</i>			
		4,902,295	02/90	Walthall <i>et al.</i>			
		4,942,129	07/90	Goosen <i>et al.</i>			
		4,806,355	02/89	Goosen <i>et al.</i>			
		5,314,471	05/94	Brauker <i>et al.</i>			
		5,334,640	08/94	Desai <i>et al.</i>			
		5,344,454	09/94	Clarke <i>et al.</i>			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Ala-Kokko <i>et al.</i> , 1991, J. Biol. Chem. 266:14175-14178
	Andersson <i>et al.</i> , 1993, Int. J. Dev. Neurosci. 11:555-568
	Andreason <i>et al.</i> , 1988, BioTechniques 6:650-660
	Anklesaria, 1987, PNAS USA 84:7681-7685
	Applebaum <i>et al.</i> , 1992, Blood 80(6):1608-1613
	Azizi, 1996, Ann. Neurol. (suppl) 121:T236
	Benayahu <i>et al.</i> , 1989, J. Cell Physiol. 140:1-7
	Bennett <i>et al.</i> , 1991, J. Cell. Sci. 99:131-139
	Beresford <i>et al.</i> , 1992, J. Cell. Sci. 102:341-351
	Bienzle <i>et al.</i> , 1994, Proc. Natl. Acad. Sci USA, 91:350-354
	Bjorklund, 1993, Nature 362:414-415
	Bradham <i>et al.</i> , 1994, J. Cell Physiol. 158:61-68
	Bruder <i>et al.</i> , 1997, J. Cell Biochem. 64:278-294

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: 053844-5002-01	APPLICATION NO.: Not Yet Assigned
INFORMATION DISCLOSURE CITATION (Form PTO-1449 Modified 5/95) (Use several sheets if necessary)		APPLICANT: Darwin J. Prockop <i>et al.</i>	
		FILING DATE: Herewith	GROUP ART UNIT: Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Brüstle <i>et al.</i> , Current Opinion in Neurobiology, 1996, 6:688-695	
		Caplan, 1991, J. Orthop. Res. 9:641-650	
		Carter <i>et al.</i> , 1992, Blood 79:356-364	
		Castro-Malaspina <i>et al.</i> , 1980, Blood 56:289-301	
		Considine <i>et al.</i> , 1995, J. Clin. Invest. 95:2986-2988	
		Defer <i>et al.</i> , 1996, Brain 119:41-50	
		Freed <i>et al.</i> , 1992, N. Engl. J. Med 327:1549-1555	
		Freundlieb <i>et al.</i> , 1997, Meth. Enzymol. 12:159-173	
		Friedenstein <i>et al.</i> , 1987, Cell Tissue Kinet. 20:263-272	
		Friedenstein <i>et al.</i> , 1976, Exp. Hemat. 4:267-274	
		Kang <i>et al.</i> , 1993, J. Neurosci. 13:5203-5211	
		Khillan <i>et al.</i> , 1991, J. Biol. Chem. 266:23373-23379	
		Kiefer, 1991, Blood 78(10):2577-2582	
		Kordower <i>et al.</i> , 1995, N. Engl. J. Med. 332:1118-1124	
		Liesveld <i>et al.</i> , 1989, Blood 73:1794-1800	
		Liesveld <i>et al.</i> , 1990, Exp. Hemat. 19:63-70	
		Lopez-Lozano <i>et al.</i> , 1997, Transp. Proc. 29:977-980	
		Mardon <i>et al.</i> , 1987, Cell Tissue Res. 250:157-165	
		McKay, 1997, Science 276:66-71	
		Mercer <i>et al.</i> , 1992, In: Antisense Strategies, Ann. IV. Y. Acad. Sci. Biol. 660:209-218	
		Nakahara <i>et al.</i> , 1991, J. Orthop. Res. 9:465-476	
		Niedzwiedzki <i>et al.</i> , 1993, Biomaterials 14:115-121	
EXAMINER		DATE CONSIDERED	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Form PTO-1449 (REV. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO.: 053844-5002-011		APPLICATION NO.: Not Yet Assigned	
INFORMATION DISCLOSURE CITATION (Form PTO-1449 Modified 5/95) (Use several sheets if necessary)				APPLICANT: Darwin J. Prockop <i>et al.</i>			
				FILING DATE: Herewith		GROUP ART UNIT: Not Yet Assigned	
		O'Hara <i>et al.</i> , 1991, Exp. Hemat. 19:878-881					
		Ohgushi <i>et al.</i> , 1989, Acta. Orthop. Scand. 60:334-339					
		Olson, 1997, Nature Med. 3:1329-1335					
		Owen <i>et al.</i> , 1988, in Cell and Molecular Biology of Vertebrate Hard Tissues, Ciba Foundation Symposium 136, Chichester, UK, pp. 42-60					
		Pereira <i>et al.</i> , 1995, Proc. Natl. Acad. Sci. USA 92:4857-4861					
		Pereira <i>et al.</i> , 1983, J. Clin. Invest. 91:709-716					
		Pereira <i>et al.</i> , 1998, Proc. Natl. Acad. Sci. 95:1142-1147					
		Piersma <i>et al.</i> 1983, Brit. J. Hematol. 94:285-290					
		Piersma <i>et al.</i> , 1985, Exp. Hematol 13:237-243					
		Prockop, 1997, Science 276:71-74					
		Rosenstein, 1995, Exp. Neurol. 133:1-6					
		Sanberg <i>et al.</i> , 1997, Nature Med. 3:1129-1132					
		Simmons <i>et al.</i> , 1991, Blood 78:55-62					
		Smith <i>et al.</i> , 1993, Mature Genet. 5:397-402					
		Sokolov <i>et al.</i> , 1995, J. Biol. Chem. 270:9622-9629					
		Sokolov <i>et al.</i> , 1993, Biochemistry 32:9242-9249					
		Spencer <i>et al.</i> , 1992, N. Engl. J. Med. 327:1541-1548					
		Stewart <i>et al.</i> 1993, Blood 81:2566-2571					
		Toneguzzo <i>et al.</i> , 1986, Mol. Cell. Biol. 6:703-706					
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449 (Modified)
(REV. 8-83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.:
053844-5002-01

APPLICATION NO.
Not Yet Assigned

INFORMATION DISCLOSURE CITATION

(Form PTO-1449 Modified 5/95)
(Use several sheets if necessary)

APPLICANT:
Darwin J. Prockop, *et al.*

FILING DATE:
Herewith

GROUP ART UNIT:
Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Arner, P., 1995, N. England J. Med. 333-382

Coccia, P.F. et al, 1980, New England Journal of Medicine, 302,13:702-707

Emorine, L. et al., 1994, Trends Pharmacol. Sci., 15,3

Flier, J.S., 1995, Cell, 80:15

Lowell, B.B. et al., 1995, J. Clin. Invest., 95:923

Miller, A.D. and Rosman, G.J. 1989 BioTechniques 7:980-990

Morrison et al, 1994, Nature 367:284-287

Nakagawa, T., et al., 1993, Arthritis and Rheumatism, 36,2:263-268

Rink, T.J. et al., 1994, Nature, 372-406

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTORNEY DOCKET NO.:
053844-5002-01APPLICATION NO.:
Not Yet AssignedSUPPLEMENTAL
INFORMATION DISCLOSURE CITATION(Form PTO-1449 Modified 5/95)
(Use several sheets if necessary)APPLICANT:
Darwin J. Prockop, *et al.*FILING DATE:
HerewithGROUP ART UNIT:
Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Patent Pages, Etc.)

El-Badri-Dajani et al., 1996, Cell Transplantation 5:5S2:36

Denizot et al., 1998, Biochimica et Biophysica 1402:209-215

Huss et al., 1995, Cell Transplantation, 4:483-491

Kadiyala et al., 1997, Cell Transplantation 6:125-134

Sykes and Sachs, 1990, Immunology 2:401-417

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.